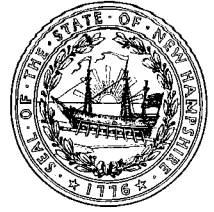




The State of New Hampshire  
*Department of Environmental Services*



Michael P. Nolin  
Commissioner

**LETTER OF DEFICIENCY**  
**WD WWEB/C 06-04**

March 29, 2006

Randall Heglin  
Director of Public Works  
Town of Jaffrey  
23 Knight Street  
Jaffrey, NH 03452

Subject: National Pollutant Discharge Elimination System (NPDES) Compliance Sampling  
Inspection at the Jaffrey Wastewater Plant, NPDES Permit N°. NH0100595

Dear Mr. Heglin:

On March 14, 2006, as a representative of the Department of Environmental Services (DES) Wastewater Engineering Bureau, Thomas J. Croteau conducted an NPDES Compliance Sampling Inspection (CSI) at Jaffrey Wastewater Plant (JWP). Objectives of a CSI included determining compliance with NPDES permit conditions, verifying the accuracy of permit-required information and verifying the adequacy of permittee sampling and monitoring.

The following people were present during this CSI:

Arthur Boudreau, Contract Operator, JWP  
Thomas J. Croteau, DES Environmental Inspector  
Margaret Bastien, DES Compliance Engineer

Please find attached to this cover letter a copy of our Sample Data Summary Sheet for the compliance sampling event and EPA's Water Compliance Inspection Report. The analytical results for the samples taken on March 14<sup>th</sup> were within the allowable permit discharge limitations. Please be advised that the sample results are reportable data for the March 2006 DMR.

**DEFICIENCIES:(response required)**

During the inspection the inspector noted the following deficiencies:

1. JWP has not been completing the DMRs correctly per the EPA's instructions. Specifically, data was omitted in the January 2005 Whole Effluent Test (WET) report, June 2005 DMR, and September 2005 DMR. More attention should be

exercised since JWP is certifying that the DMR information is **true, accurate and complete**. Please be advised that EPA's automated violation tracking system will subsequently detect these blanks or omissions as non-reporting violations for which JWP may be subject to enforcement actions. Upon DES's request, JWP did submit the amended DMRs and report noted above.

2. JWP has not submitted a complete 2005 Annual Aluminum Summary Report. Specifically, the report did not include the estimates of river flow as required by the permit.
3. JWP has not been submitting all permit reports, such as the Annual Aluminum Summary Report and annual sludge report, on time. The 2004 Annual Aluminum Summary Report which was due by January 15, 2005 was not received until February 16, 2005. No annual sludge reports for 2004 and 2005 were submitted or received by February 19<sup>th</sup> of each year.
4. A review of JWP's contract laboratory's laboratory reports revealed the following discrepancies:
  - a. No analysis start time for TSS, CBOD, ammonia and *E. coli*

In accordance with Part II of the permit, Section C.1.c.(1), records of monitoring information shall include:

- (1) The date, exact location, and **time of sampling or measurements**.

DES could not determine if sample measurements have been completed within the allowable holding time especially for *E. coli*.

5. A review of JWP's contract laboratory's chain-of-custodies revealed the following discrepancies:
  - a. The temperature of the samples received by the laboratory is not consistently recorded on the chain-of-custodies.

In accordance with 40 CFR 136.3, (62)(e), sample preservation procedures include sample preservation techniques as cited in Table II. The temperature of the sample must be recorded as part of the analytical method to ensure that the preservation protocol was adhered to.

6. For the period covering June through November 2005, JWP is not providing an explanation for TSS, CBOD and WET report violations with its DMR submittals as required under Part II, Section D.1.e.(1).
7. At the time of the inspection, JWP could not locate its written laboratory Quality Assurance Manual (QAM). The QAM was up-dated and subsequently reviewed and

approved by DES on April 10, 2003. It is essential that JWP have an available up-to-date QAM. Pursuant to 40CFR122.41(e) and Part II, Section B.1 of JWP's NPDES permit, proper operation of a wastewater laboratory includes having an up-to-date QAM. If the QAM is nowhere to be found, please provide DES with a time schedule as to when a new QAM would be available.

8. JWP must account for the BOD and TSS loading from Millipore Manufacturing (industrial flow that directly discharges to lagoon #1) in its total mass loading calculation. This is accomplished by combining the measured influent loading to Hadley Road pump station and the industrial loading to lagoon #1. This value is the the total reportable loading on the DMRs.

Submitted DMRs should be amended to reflect the actual concentration and loadings for both BOD and TSS from combined waste stream, Hadley Road and Millepore. JWP should contact EPA to determine the length of time that updated DMRs are required to be corrected. The corrected DMR shall be submitted to both DES and EPA.

**REPEAT DEFICIENCIES: (Noted in April 14, 2004 NPDES inspection – response required) If these repeat deficiencies are noted in any subsequent inspection then DES may proceed immediately with formal enforcement action which may include an administrative fine.**

1. JWP has not been completing the DMRs correctly per the EPA's instructions. JWP has had several calculation/reporting errors in its DMRs for the period covering April 2004 through December 2005. Upon DES's request, JWP did submit amended DMRs for the period noted above.
2. JWP did not notify DES or EPA verbally or in writing concerning a May 2004 effluent ammonia monthly average, June 2005 effluent TSS daily maximum and August 2005 effluent TSS daily maximum. Pursuant to Part II, Section D.1.e. of the NPDES permit, all noncompliance that may endanger health or the environment shall be reported orally within 24 hours of becoming aware of the circumstances and written notification submitted within five calendar days.

**RECOMMENDATIONS/OBSERVATIONS: (No response required)**

1. DES observed that the suction line tubing for the influent sampler is heavily soiled. DES recommends that JWP periodically change the tubing to eliminate any potential contamination as a result of material sloughing.
2. DES discussed the location of the influent sampling line with JWP at the time of the inspection. DES recommends that the sample line be re-located after the parshall flume to ensure a better representative sample of the influent which would account for the actual loading from ground screenings.

March 29, 2006

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**CORRECTIVE ACTIONS REQUIRED:**

DES requests that JWP describe all steps taken to correct the deficiencies identified by the inspector. This description should also include the dates the deficiencies were corrected or the anticipated correction date. When the response is complete, the **responsible official** for the municipality or the industry must sign the response. If the submitted response is acceptable to DES and the deficiencies are not repeat deficiencies and/or have not resulted in environmental harm, we will close out the inspection and no further action, other than continued compliance, is required by the permittee. If DES identifies repeat deficiencies or deficiencies that result in environmental harm in this or future inspections, DES may proceed immediately with enforcement.


DES requests that you submit your response to this inspection by **May 1, 2006**. If DES does not receive a complete response signed by the appropriate official within the allowed time frame, DES may proceed with an appropriate enforcement action.

Please mail your inspection response to:

Thomas J. Croteau  
NHDES-WWEB  
P.O. Box 95  
Concord, NH 03302-0095

If you have any questions, please call the inspector named above at 271-2985.

Sincerely,

  
John R. Bush, P.E.  
Administrator  
Wastewater Engineering Bureau

Enclosures: EPA's Water Compliance Inspection Report  
Sample Data Summary Sheet

cc: DES, WD, WWEB/File  
Thomas J. Croteau, Environmental Inspector, WWEB  
Margaret Bastien, Compliance Engineer, WWEB  
Gretchen Hamel, Enforcement Coordinator DES  
Joy Hilton, USEPA Water Technical Unit

CERTIFIED MAIL/RRR: 7099 3400 0018 1294 3646